

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 October 2004 (28.10.2004)

PCT

(10) International Publication Number
WO 2004/091376 A2

- (51) International Patent Classification⁷: **A61B**
- (21) International Application Number:
PCT/US2004/011706
- (22) International Filing Date: 15 April 2004 (15.04.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/462,887 15 April 2003 (15.04.2003) US
- (71) Applicants (for all designated States except US): **MET-GEN, INC.** [US/US]; P.O. Box 76411, Atlanta, GA 30358-1411 (US). **GEORGIA TECH RESEARCH CORPORATION** [US/US]; 505 Tenth Street, NW, Atlanta, GA 30332-0415 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MAY, Sheldon, W.** [US/US]; 1147 Rogeretta Drive, NE, Atlanta, GA 30329 (US). **SHUNNARAH, Richard, D.** [US/US]; 750 Glenridge Close Drive, Atlanta, GA 30328 (US).
- (74) Agent: **RZUCIDLO, Eugene, C.**; Greenberg Traurig LLP, 885 Third Avenue, New York, NY 10022 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: MEDICAL DEVICE FOR MONITORING BLOOD PHENYLALANINE LEVELS

(57) Abstract: A medical device adapted for the monitoring of blood levels of phenylalanine utilizing colormetric analysis, comprising a unit containing testing elements, or insertion means for receiving a substrate having a test biological sample thereon and a means on said device for displaying a test result for a level of phenylalanine in the biological sample.